

Converting Colors

XYZ(77.4247, 100.0000,
76.4592)

Have a look what the booklet for
XYZ(77.4247, 100.0000, 76.4592)
contains.

XYZ(71.7500, 88.7297, 74.3177)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.7500, 88.7297,
74.3177)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFD2
RGB	202, 255, 210
RGB Percent	79%, 100%, 82%
CMY	0.2078, 0.0000, 0.1765
CMYK	0.21, 0.00, 0.18, 0.00
HSL	129°, 100%, 90%
HSV	129°, 21%, 100%
XYZ	71.7500, 88.7297, 74.3177
YIQ	234.0230, -17.1430, -25.2310

Conversions

Conversions Part 2

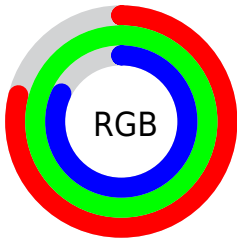
Format	Color
R _Y B	202, 248, 255
Decimal	13303762
CIE Lab	95.47, -25.20, 16.09
CIE LCh	95, 29.898, 147.435
Yxy	88.7297, 0.3056, 0.3779
Android (android.graphics.Color)	4291493842 (0xFFCAFFD2)
YUV	234.0230, -11.8433, -28.0842
Hunter-Lab	94.1964, -28.8792, 19.1598

Details

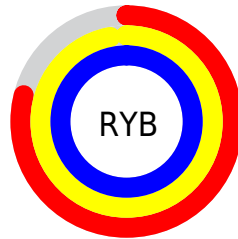
The XYZ color **71.7500, 88.7297, 74.3177** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.1493, 70.2172, 97.3769**, and the grayscale version is **78.3199, 82.3986, 89.7321**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1431, 48.9578, 38.4498** is the 20% darker color. If you saturate the color by 10%, you get **62.8932, 84.4547, 60.7624**, and if you desaturate by 10%, it is **82.1132, 93.7391, 89.8512**.

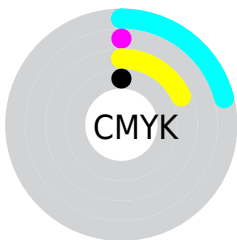
Distribution



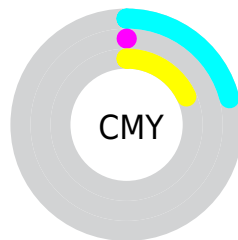
- Red (79%)
- Green (100%)
- Blue (82%)



- Red (79%)
- Yellow (97%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7500, 88.7297, 74.3177 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 71.7500, 88.7297, 74.3177 by changing the saturation by 10% instead.


 71.7500, 88.7297,
74.3177

 71.7500, 88.7297,
74.3177


455.8421,
523.8899, 494.7618

 53.2392, 66.9276,
54.5557


120.7138,
145.5726, 127.0843

 38.2220, 49.0258,
38.6500


151.8974,
181.3822, 160.9260

 26.3330, 34.6399,
26.1818


188.0361,
222.6297, 200.2980

 17.2069, 23.3856,
16.7327

229.4952,
269.6995, 245.6188

 10.4784, 14.8785,
9.8842

276.6399,
322.9760, 297.3071

 5.7819, 8.7342,
5.2176

329.8358,

 2.7523, 4.5682,

382.8437, 355.7814

2.3145

389.4481,
449.6868, 421.4601

■ 1.0242, 1.9962,
0.7393

■ 0.0000, 0.6053,
0.0000

■ 71.7500, 88.7297,
74.3177

■ 71.7500, 88.7297,
74.3177

■ 62.8932, 84.4547,
60.7624

■ 82.1132, 93.7391,
89.8512

■ 55.4702, 80.8784,
49.1019

■ 94.0466, 99.5141,
107.4334

■ 49.4056, 77.9637,
39.2530

■ 95.0500, 100.0000,
108.9000

■ 44.6159, 75.6695,
31.1245

■ 41.0087, 73.9502,
24.6177

■ 38.4783, 72.7537,
19.6234

■ 36.9001, 72.0182,
16.0191

■ 36.1179, 71.6632,
13.8046

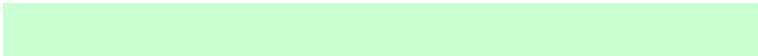
Harmonies

Analogous

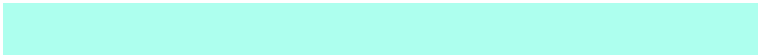
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2870, 88.7297, 61.8646



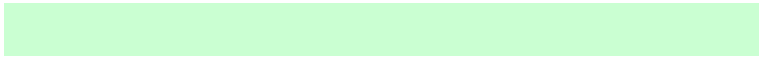
71.7500, 88.7297, 74.3177



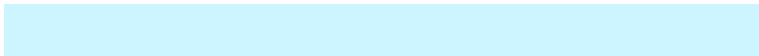
69.5644, 88.7297, 94.6079

Triad

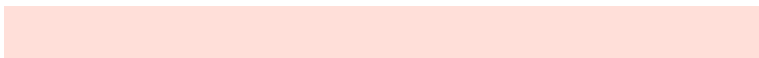
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7500, 88.7297, 74.3177



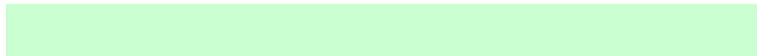
83.6324, 88.7297, 149.0185



99.0940, 88.7297, 77.2905

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.7500, 88.7297, 74.3177



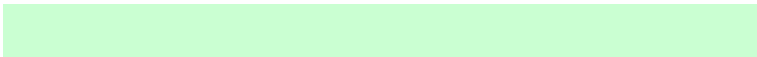
79.1493, 70.2172, 97.3769

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.0609, 88.7297, 98.6433



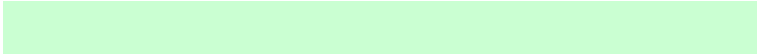
71.7500, 88.7297, 74.3177



91.7988, 88.7297, 142.4092

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.7500, 88.7297, 74.3177



76.1414, 88.7297, 139.8119



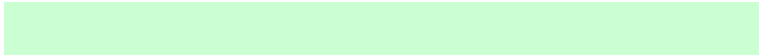
98.3116, 88.7297, 122.9698



93.0961, 88.7297, 63.3757

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7500, 88.7297, 74.3177



70.1885, 88.7297, 110.7610



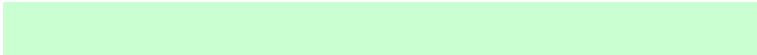
98.3116, 88.7297, 122.9698



100.2648, 88.7297, 83.7216

Sweetspot

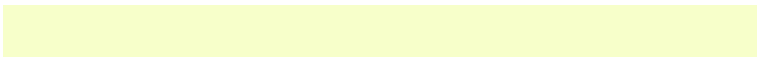
The Sweet Spot groups the original color and five complimentary colors.



71.7507, 88.7300, 74.3191



87.6219, 96.4042, 98.0017



84.7964, 95.5676, 69.8553



18.5891, 20.5543, 20.7322



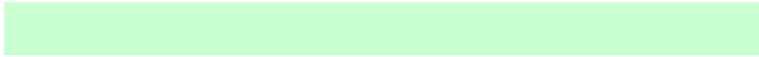
0.0000, 0.0000, 0.0000



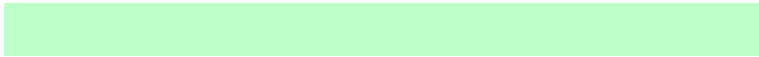
20.3446, 21.4041, 23.3091

Same Dimension

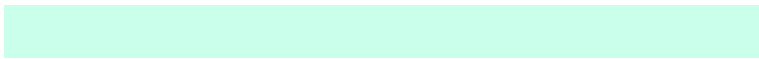
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7507, 88.7300, 74.3191



67.8365, 86.8399, 68.3668



75.3234, 90.1591, 93.1330



17.8833, 20.2128, 19.6884



18.9055, 37.4588, 7.3879



1.8721, 3.6597, 0.8841

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



79.1493, 70.2172, 97.3769



76.4644, 65.2463, 95.2515



75.3523, 68.6984, 77.3820



18.6679, 18.2505, 22.1341



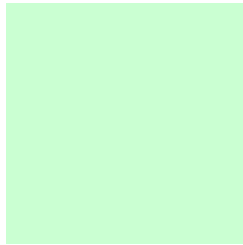
28.1042, 13.7310, 35.5286



2.7670, 1.3492, 3.6202

Previews

White Background



This preview shows how the XYZ color 71.7500, 88.7297, 74.3177 looks on a white background.

Color Contrast Check

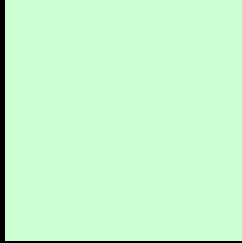
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 71.7500, 88.7297, 74.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

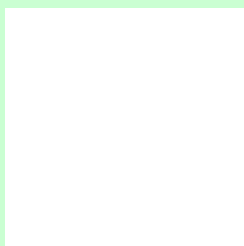
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7500, 88.7297, 74.3177

Background



This preview shows how black text looks on a background with the XYZ color 71.7500, 88.7297, 74.3177.



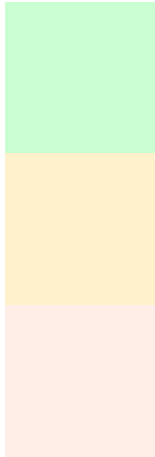
This preview shows how white text looks on a background with the XYZ color 71.7500, 88.7297,

74.3177.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

71.7500, 88.7297, 74.3177

Protanopia

83.1078, 88.2932, 69.1620

Deuteranopia

86.2383, 88.1786, 88.0762



Tritanopia

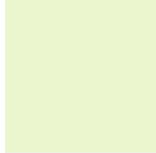
82.0792, 88.2523, 107.3161

Trichromacy



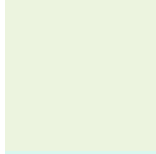
Original Color

71.7500, 88.7297, 74.3177



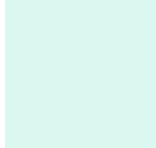
Protanomaly

78.3573, 88.0299, 71.2541



Deuteranomaly

80.2620, 87.8619, 82.5408



Tritanomaly

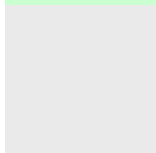
78.0608, 88.2722, 94.5854

Monochromacy



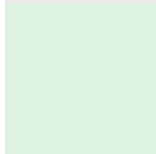
Original Color

71.7500, 88.7297, 74.3177



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.4669, 84.4701, 83.5610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7500, 88.7297, 74.3177 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 210)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 71.7500, 88.7297, 74.3177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 255, 210) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(202, 255, 210) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(202, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7500, 88.7297, 74.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 210) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
255, 210) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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